

Environment and Society Electives

Course number	Credits	Department	Course name	instructor(s)	Course description	Link
ANTH450/650		ANTH- UMCP	Theory and Practice of Environmental Anthropology	Paolisso, Michael	This course is for students, in anthropology and other social, natural and environmental science disciplines, interested in the complex interactions between culture, socio-economic systems, politics and the natural environment.	
ANTH 452/652		ANTH- UMCP	Anthropology and Climate Change	Saffer, Jen	Case studies of historic and contemporary evidence will be used to understand impacts of global climate change and assess opportunities and barriers to successful responses and adaptation.	
ANTH667		ANTH- UMCP	Researching Environment and Culture	Shaffer, Jen	In this applied course, students use mixed methods to research a locally-based, environmental sustainability issue.	
ANTH722		ANTH- UMCP	Ecological Anthropology	Paolisso, Michael	This course seeks to develop students' understanding and the subdiscipline of environmental and ecological anthropology. It raises fundamental questions such as what are environmental or ecological approaches with cultural anthropology and archaeology, including how are they similar yet different in terms of social and natural science theories, methods and applications.	
GEOG615		GEOG-UMCP	Land Cover and Land Use Change	TBD		
GEOG630		GEOG-UMCP	Climate, Energy, and Policy	TBD		
GEOG662		GEOG-UMCP	Advances in GIS and Remote Sensing	TBD		
GEOG498Q/ 788Q		GEOG-UMCP	Studying Social Networks: Theory, Methods, and Analysis	Christina Prell		https://geog.umd.edu/courseinfo/3609
GEOG416		GEOG-UMCP	Conceptualizing and Modeling Human-Environmental Interactions	TBD		https://geog.umd.edu/courseinfo/2848
GEOG432/ 732		GEOG-UMCP	Spatial Econometrics	TBD		https://geog.umd.edu/courseinfo/2857
GEOG632		GEOG-UMCP	Economic Geography	TBD		https://geog.umd.edu/courseinfo/2905
GEOG788B		GEOG-UMCP	Coupled Human and Natural Systems	TBD	This course considers various ways of understanding interactions and feedback loops between human and natural systems. We begin with core readings on coupled systems, then proceed into different methods for researching such systems. Students will gain fundamental understandings of this emerging area, opportunities to "practice" appropriate methodological approaches, and a chance to conduct their own research.	
GVPT888B		GVPT- UMCP	Democracy and Democratization	Isabella Alcaniz	Examines the political economy of democratic transitions, the effect of political culture on regime type, the resource curse, the so-called Arab Spring, democratic breakdowns, and competition within authoritarian regimes.	
GVPT459B		GVPT- UMCP	Comparative Political Institutions	Ernesto Calvo	This course will provide a general introduction to Comparative Political Institutions. It will explore basic political concepts that relate to issues of representation, elections, and congresses.	
GVPT417		GVPT- UMCP	Seminar in Advanced Topics in Environmental Policy Analysis	Isabella Alcaniz	Students in this course will learn a series of critical tools and methods used to analyze environmental policy at the intersection of Science and Politics. It is an advanced course; students already must have comprehensive knowledge in environmental policy and must have taken GVPT 273 (which is a prerequisite of this course).	
MEES622	3	MEES	Sustainability Science: quantitative and systems approach	Zhang and Davidson	Through this class, students are expected to 1) gain an in-depth understanding of sustainability issues. 2) implement basic quantitative methods for modeling and analyzing a system. 3) develop a research project, individually or in a small group, on a sustainability issue of interest and provide quantitative analysis to identify challenges and opportunities.	
MEES698X	3	MEES	Special Topics in Marine-Estuarine-Environmental Sciences; Global E	Elmore		
MEES699	2	MEES	Introduction to Geographic Information Systems (GIS)	Fitzpatrick	This course covers the basic concepts and principles of Geographic Information Systems, data models, data structures, applications and technical issues.	
MEES608B	1	MEES	Responsible Conduct of Research	Miller and Hill		
MEES608D	2	MEES	Science Writing and Communication	North		
MEES614	3	MEES	Landscape Ecology	Fitzpatrick		

MEES698Y	2	MEES	Science for Environmental Management	Dennison	Provides an overview of the process in which science is applied to various environmental management issues through a diversity of in depth case studies, practitioner perspectives, lectures and projects.	
MEES698B	3	MEES	Environmental Statistics I	Liang	This course extends the quantitative training for students in the environmental sciences and encourages to take a statistical perspective when handling various inter-disciplinary environmental data.	
MEES708M	3	MEES	Environmental Statistics II	Liang, Lyubchich	This course extends the material of Environmental Statistics I to advanced topics of time series analysis and spatial statistics. Aiming at the broad audience of students in the environmental sciences, we try to incorporate as many modern methods of analysis as possible.	
MEES799		MEES	MASTERS THESIS RES	TBD		
MEES898		MEES	PRE-CANDIDACY RESEARCH	TBD		
MEES899		MEES	DOC DISSERTATN RES	TBD		
SURV630	3	Joint Program in	Questionnaire Design and Evaluation	Ting Yan	The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.	